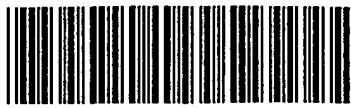


RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/568,081
Source: TEWP
Date Processed by STIC: 2/27/06

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IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/568,081

DATE: 02/27/2006

TIME: 14:47:18

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\02272006\J568081.raw

4 <110> APPLICANT: Temasek Life Sciences Laboratory
 8 <120> TITLE OF INVENTION: NUCLEIC ACIDS FROM RICE CONFERRING RESISTANCE TO
 BACTERIAL BLIGHT DISEASE
 9 CAUSED BY XATHOMONAS spp
 13 <130> FILE REFERENCE: 2577-160
 C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/568,081
 C--> 17 <141> CURRENT FILING DATE: 2006-02-13
 17 <160> NUMBER OF SEQ ID NOS: 52
 21 <170> SOFTWARE: PatentIn version 3.1
 25 <210> SEQ ID NO: 1
 27 <211> LENGTH: 5198
 29 <212> TYPE: DNA
 31 <213> ORGANISM: Oryza sativa
 35 <220> FEATURE:
 W--> 37 <221> NAME/KEY: Dominant (Resistant) allele of the Xa31 genomic clone from
 IRBB31
 39 <222> LOCATION: (1)..(5198)
 41 <223> OTHER INFORMATION:
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 50 tttttttttt agaaaatacac tacagcatgt ctcgctatct gactctcgct atctgacttg 180
 52 tatattgctt aacacttaaa cggacataga cgttggatcc aatggatatg tcgtctacca 240
 54 ctaaaaataat aattagcctt aaatacggc gtttatattt acaatgtgca tttaggttata 300
 56 ttttggaaaca tataattttg ctttgattta tcctatattt tagaaaaaaaaa ataataatta 360
 58 gtagcaagta taaacatcat gaacatattt ttcttcttaac tctacagttt taacaactta 420
 60 taggcaaaac ttttgaattt ataaaaatgtt gatggatatt tcataaaaaca cacatttctt 480
 62 gccccttaat accacacccca tcaattttt aattttgtt cgtatattat tatgtatgcag 540
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 66 gtacgacatt gatacaactt taagtattgg attaattgtt taaaaaaatc tcacgttcta 660
 68 aataatctct aagtagtata caaatattca aaaaaaggtt ttacgggcta aatttagcaag 720
 70 cgtgccaata gacacgctga ttttcttagt tgatgataat gcgttccatt tccatttccg 780
 72 tttggtagcag ccgttaacttt agcttcatct ttttcgaggc tgcagctgaa ccaaacagtt 840
 74 ttagctccat cgaagaaaagg agttatactg attggatgc tctcacagta aaaaaaaaaa 900
 76 ggaagtagag ctggattttt gacagttcta caagaagtt gaactctacc aaaattggaa 960
 78 ttttggatga tggcttttta aaaaactcgat tgcaggaata aaatttttacg gcttggaaact 1020
 80 tacaaaatgtt ttagaaaaga taacatgcct cagcgattt gaaaaaaatgtt aacaaataaa 1080
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 84 caactaaaccg taaaatacgaa caccatatac aaatataacta tcactgataa aataatcaat 1200
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 94 catgttattt tggattggaaa tcaaatacgaa tcagtcataat tcaaatacgaa ggaggaacat 1500

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RAW SEQUENCE LISTING DATE: 02/27/2006
PATENT APPLICATION: US/10/568,081 TIME: 14:47:18

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RAW SEQUENCE LISTING : DATE: 02/27/2006
 PATENT APPLICATION: US/10/568,081 TIME: 14:47:18

Input Set : A:\PTO.RJ.txt
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198	gaccatccgt	tggcaattca	acgacaaaata	tgttatccctc	gtcgatctca	agcagccac	4620
200	ttatgacaaa	tatgcagttt	gattgtttt	tggtttcgc	ttgtgaagcc	cccgcgagat	4680
202	tcgagaagag	gagggtgtgg	catggataac	ggacggcaac	acggtcatga	ggagcgagca	4740
204	gaatcccagc	gctgccacga	gtgacgacaa	cgccgtcacc	accagcagca	gcagcagcac	4800
206	gaccgacgcc	gacaagaagg	cctcagcctc	accgttcag	ccgctccgc	cctccgcccc	4860
208	gcctgtcatt	gtccggccg	ccggccgccc	cgctctgtct	ccgtccttct	gttctgccc	4920
210	cgctccaccc	tgccatcgcc	cgctccggcc	gccacccacc	ccgctccgc	ggctttagag	4980
212	agagaagagg	gagagagagg	atagagagag	gggaaataag	agaggagggt	tgtgaggatg	5040
214	atgtgtgggt	ccacatggc	tcaccattt	ttattatgt	tgttgcaac	tgatatgtgg	5100
216	gtcccacgg	tttttattatt	tttttcggat	ctaattgcca	cgtaggctcc	acgttaatga	5160
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221 <210> SEQ ID NO: 2

223 <211> LENGTH: 5131

225 <212> TYPE: DNA

227 <213> ORGANISM: Oryza sativa

231 <220> FEATURE:

W--> 233 <221> NAME/KEY: Recessive (susceptible) allele of the xa31 genomic clone from IR24

235 <222> LOCATION: (1)..(5131)

237 <223> OTHER INFORMATION:

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246	taataaaaaa	tggtgagccc	atgtggaccc	acacatcatc	ctcacaaccc	tcttcctta	180
248	ttccccctct	ctctatcctc	tctctccctc	ttctctctct	caagcctgc	gagcgggggt	240
250	ggtgccggcc	ggagcgggag	atggcagggt	ggagcggcgg	cagaacagaa	ggacggagac	300
252	agacggggc	gggcggccgg	cggagcaatg	acaggcgggg	cggaggcgc	gagcggctcg	360
254	aacggtgagg	ctgaggcctt	ttgtcggcg	tcggctgtgc	tgtctgtct	gctgggtgt	420
256	acggcggtgt	cgtcactcgt	ggcagcgcgt	ggattctgt	cgctcctcat	gaccgtgtt	480
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260	aaaccaaaaa	caaataaac	tgcataattt	tcataagtgg	gctgctttag	atcgaggagg	600
262	ataacatatt	tgtcggtgaa	ttgccaacgg	atggtccaga	tttgcataaa	gtgggctgt	660
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266	cccaactaaac	tccaaagaac	acagtacact	catttcaaaa	agaaaaaaa	caaacaaaaa	780
268	aagaaggaat	aagttcaccc	gaggtccctc	aacttaacag	cgtccctta	accataaaac	840
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278	ggggcgacag	ccggcgccgg	gchgagcgcgg	cgccggcagg	tgtgcaggc	aggagcggcg	1140
280	ggggtaggcg	agcgcggtgg	cgacggggcat	caacgggctc	tgaccggc	aggcgcgtgg	1200
282	caccaagcac	ggcgtcgccg	acgtgctcg	cacggaggcc	cgcggccgc	tcggcggcaa	1260
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286	ccaaacctcc	gaccccgcc	tcaccatggc	cgtacgcctt	cttgcctccct	tctccattct	1380
288	cctccctcc	tcccaacccct	tctgattctc	tcacggcgc	gaggacatga	atgaaatgtt	1440
290	ggtgcttgg	ttgggcgcgc	aggggacag	cgggctcaag	gacgatttcg	tgttccggga	1500
292	cctcaacgcg	ccacagttcg	tgcgtggga	ggggaaacta	aggccagtgc	agtccaaagcc	1560
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 PATENT APPLICATION: US/10/568,081 TIME: 14:47:18

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306	cgccgtctc	gccccgtcga	agaagacgag	aggagaagaa	agggggaaaa	agaaggatg	1980
308	tggggccgc	atcgtttct	ctcaacttaca	tatggggccc	acttacttat	ttatttattt	2040
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312	tgcacggatt	gtgaaagttt	agggggtgcac	atttctgg	ttgtggtaa	aggacctaaa	2160
314	aaaatatcgc	cgttaagtt	aggaacctct	ggtgaactt	ttccaaaaaa	gaaacacagt	2220
316	actatgaagt	ctgtacattt	ccaacatata	aaatcgccc	aaacaacgga	acaccataag	2280
318	tttcgttgg	atggagaact	cgtcttggag	gacaaattt	agctgaaatt	tattgaacta	2340
320	tactaaaaaa	agatgatgtt	tcgaaagcat	aacgtgtt	gcaactaatta	agcaagaatg	2400
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372	aaagaagcct	taaaaaattt	atacctttt	gttgtgg	atagcttaaa	ttagtttaggt	3960
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378	tcaatggtaa	gcaatgtccc	aaaaataaaag	caatgtt	gtggattt	agattttat	4140
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382	caagccgtaa	aattttattc	ctgcaatcga	gtttttaaaa	gaccatcatc	aaaaattcca	4260
384	attaactatc	cgtttgg	agttctaact	tcttata	ctgtctaaaa	tccagctcta	4320
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390	caaacggaaa	tggaaatgaa	ccgcattatc	atcagactag	aaaatcagcg	tgtctattgg	4500
392	cacgttgct	aatttagccc	gtaaaacctt	ttttgaata	ttgtatact	acttagagat	4560
394	tatttagaac	gtgagat	ttaagcaatt	aatccaatac	ttaaagttt	atcaatgtcg	4620

RAW SEQUENCE LISTING DATE: 02/27/2006
 PATENT APPLICATION: US/10/568,081 TIME: 14:47:18

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 398 acactgcac ataataat acgctaacaa attaacaat tcatgaaggt ggtatttagag 4740
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 402 ctataagttg ttaaaaactgt agagttagaa gaaaaatatg ttcatgatgt ttataacttgc 4860
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 406 aatataaacct aatgcacatt gtaaatataa acgctcgat ttaaggctaa ttatttttt 4980
 408 agtggtagac gacatatcta ttgataacga cgtctatgtc cgtttaagtg ttaagaata 5040
 410 tacaagtcag atagcgagag tcagatagcg agacatgctg tagtgttattt ctaaaaaaaa 5100
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415 <210> SEQ ID NO: 3

417 <211> LENGTH: 593

419 <212> TYPE: DNA

421 <213> ORGANISM: Oryza sativa

425 <220> FEATURE:

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429 <222> LOCATION: (1)..(593)

431 <223> OTHER INFORMATION:

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 440 ctcggcgacg tcgcccgtccg ccggcgccag ctgctcctcg actccggccg cgtcttcatg 180
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 450 ggtcatcttc ttctccgtgc ttttgcctg gagttgagta cggatctgtg tgcgtcgat 480
 452 tcttgcttaa tttagtgcctt acacgttatg ctggaaac atcatctttt ttcagatag 540
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459 <211> LENGTH: 585

461 <212> TYPE: DNA

463 <213> ORGANISM: Oryza sativa

467 <220> FEATURE:

W--> 469 <221> NAME/KEY: cDNA 3 from IR24

471 <222> LOCATION: (1)..(585)

473 <223> OTHER INFORMATION:

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 482 ctcggcgacg tcgcccgtccg ccggcgccag ctgctcctcg actccggccg cgtcttcatg 180
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 486 ggctgcaccc gcggcgccga accttgcgtc gcccctctcc tggggctgct cggcgccgg 300
 488 ctcggccatgc tgcgtcgatgc cggccggccga ttccccgttc tgcgtgcccgc cattgtcgag 360
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 492 ggtcatcttc ttctccgtgc ttttgcctg gagttgagta cggatctgtg tgcgtcgat 480
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499 <210> SEQ ID NO: 5

501 <211> LENGTH: 113

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/27/2006
PATENT APPLICATION: US/10/568,081 TIME: 14:47:19

Input Set : A:\PTO.RJ.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:19; N Pos. 57
Seq#:23; N Pos. 27
Seq#:31; N Pos. 1
Seq#:32; N Pos. 1,11
Seq#:33; N Pos. 5,10,13
Seq#:34; N Pos. 1,11
Seq#:35; N Pos. 5,10
Seq#:36; N Pos. 5,10,13

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 8

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/568,081

DATE: 02/27/2006
TIME: 14:47:19

Input Set : A:\PTO.RJ.txt
Output Set: N:\CRF4\02272006\J568081.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:37 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:45 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:41
L:233 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:241 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:237
L:427 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:435 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:431
L:469 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
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L:1058 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
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